

193401 to 193467

Illustrated Parts List

MODEL SERIES

193401 to 193467

TYPE NUMBERS

0010 to 0031

0110 to 0158

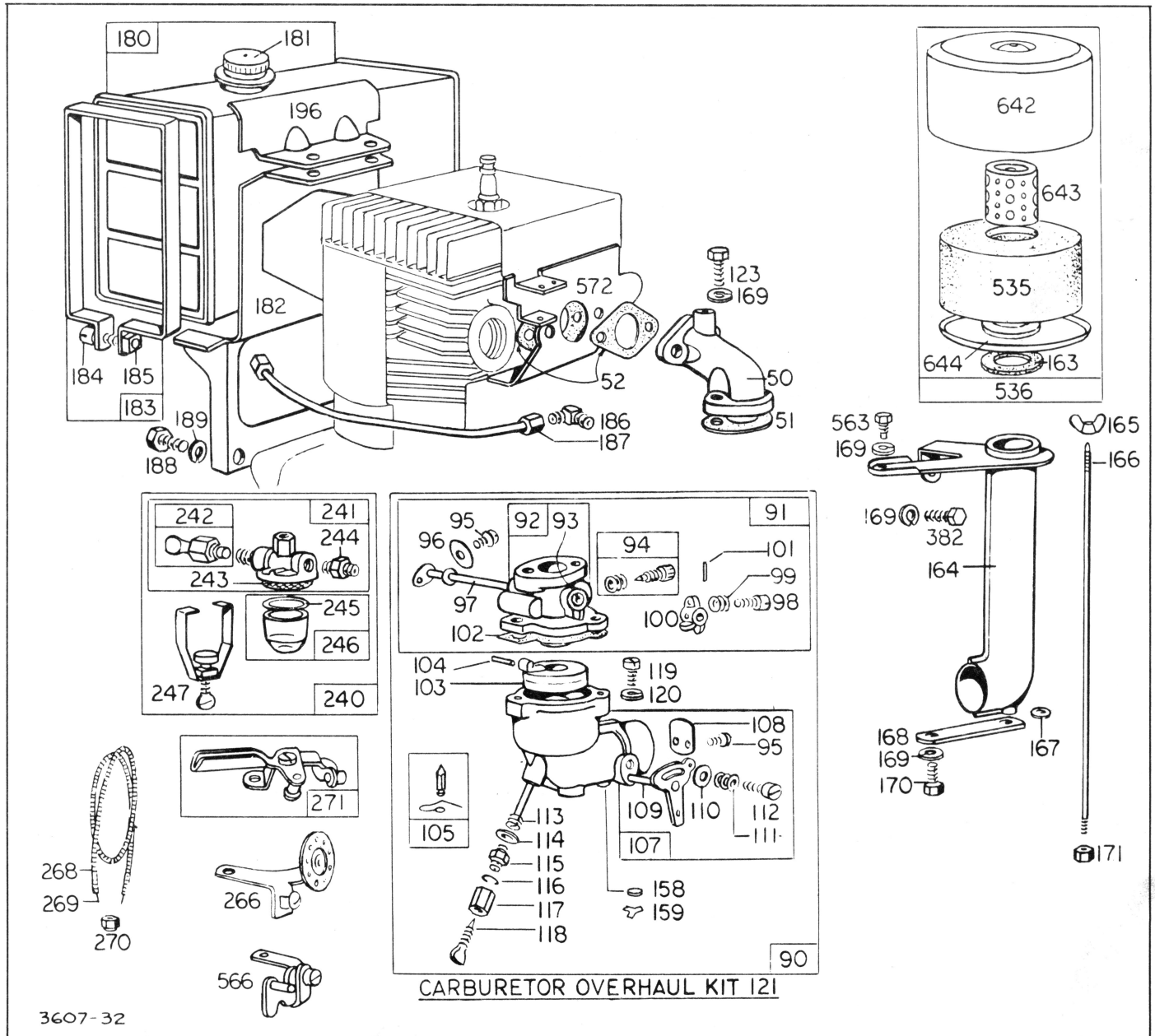
TO FIND THE CORRECT NUMBER OF THE PART YOU NEED: FOLLOW THE INSTRUCTIONS BELOW.

- A. Refer to Engine Model, Type and Code Number (formerly Serial Number) that is stamped on the blower housing or name plate of engine. (Engine type numbers such as 400108 are listed complete. Engine type numbers such as 0147 01 are listed herein only as 0147. The two digits (01 or 02, etc.) to the right of the space are not needed for parts identification). Then use the Illustrated Parts List covering these Model Series.
- B. Refer to Illustrated Parts section and compare the old part with illustration. The number on the illustration is the Reference Number. Assemblies include all parts shown in frames. All parts shown in assembly frames on which individual reference numbers are given can be purchased separately.
- C. After the Reference Number has been identified, refer to the Numerical Parts List, where Reference and Master Part Numbers are listed. **THE MASTER PART IS USED ON ALL TYPE NUMBERS EXCEPT THOSE TYPE NUMBERS UNDER "NOTE".**
- D. If a "Note" appears below the Master Part Number, this means that this part differs from the Master Part for certain types. If the Type Number is listed under "Note", order the part referred to.
- E. If the Engine Type Number does not appear after any part number listed under "Note", use the Master Part Number.
- F. For Type Numbers higher than those covered by this book, please refer to the factory if you are unable to identify the part by comparison.



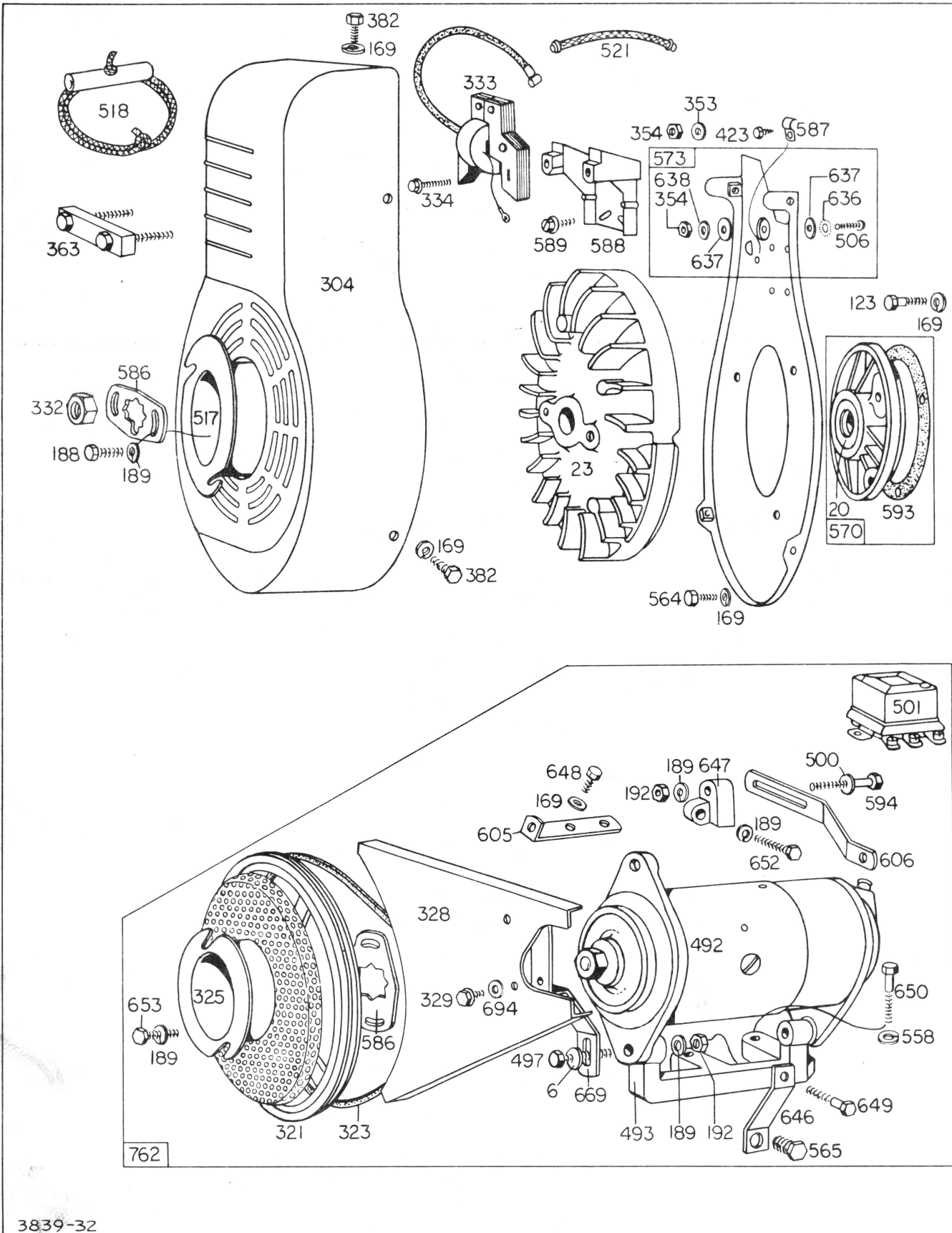
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Assemblies include all parts shown in frames.

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Assemblies include all parts shown in frames.

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	298199	Cylinder Assembly	20	298423	Seal—Oil	27	68546	Lock—Piston Pin
	Note: 298563	Cylinder Assy. Used on type Nos. 0124, 0151, 0152.	21	66768	Plug—Oil Filler	28	298401	Pin Assy.—Piston—Std.
5	210620	Head—Cylinder		Note: 298859	Oil Minder Used on type Nos. 0128, 0129, 0135, 0143.	294681		Pin Assembly—Piston— .005" O.S.
6	22963	Washer—Plain	23	298974	Flywheel—Magnet	29	291234	Rod Assy.—Connecting
7	*27752	Gasket—Cylinder Head		Note: 220804	Screen		Note:	For Connecting Rod with .020" undersize Crankpin Bore — order No. 298787.
	Note:	Two 27752 Cylinder Head Gaskets are used on type Nos. 0123, 0151.		220803	Support—Screen	30	220871	Dipper—Connecting Rod
8	297704	Breather		230397	Spacer (4)	31	22947	Lock—Conn. Rod Screw
9	*66214	Gasket—Valve Cover		93125	Screw (4)	32	91162	Screw—Connecting Rod
11	67068	Tube—Breather		67632	Washer (4)	33	23835	Valve—Exhaust
12	*66224	Gasket—Crankcase Cover			Used on type No. 0145.		Note: 26735	Valve—Exhaust Used on type Nos. 0124, 0151, 0152.
14	91442	Screw—Cylinder Head	24	61760	Key—Flywheel	34	23836	Valve—Intake
	Note: 93358	Screw—Cap, 5/16-18 x 3-1/2" (2) 230705 Spacer (2) Used on type Nos. 0128, 0135.	25	294676	Piston Assy.—Standard		Note: 23835	Valve Used on type Nos. 0124, 0151, 0152.
15	91084	Plug—Pipe—3/8"		294677	Piston Assy.—.010" O.S.	35	65906	Spring—Intake Valve
16	260775	Crankshaft		294678	Piston Assy.—.020" O.S.	36	65906	Spring—Exhaust Valve
	Note: 260767	Crankshaft Used on type Nos. 0112, 0130, 0155.		294679	Piston Assy.—.030" O.S.		Note: 26828	Spring—Exhaust Valve Used on type Nos. 0124, 0130, 0131, 0134, 0151, 0152.
	260768	Crankshaft Used on type Nos. 0020, 0113, 0122, 0123, 0126, 0139, 0142, 0144, 0146, 0152, 0154, 0157.	PISTON RING SETS:			40	68293	Retainer—Valve Spring Collar
	260770	Crankshaft Used on type Nos. 0115, 0124, 0133, 0140, 0147, 0148.		Note:	For Chrome Piston Ring Set — Standard Size — order Part No. 298746.		Note: 292260	Rotocap— Exhaust Valve Used on type Nos. 0124, 0130, 0131, 0134, 0151, 0152.
	260771	Crankshaft Used on type Nos. 0030, 0116, 0128, 0129, 0131, 0132, 0135, 0143, 0156.	26	292100	Ring Set—Piston—Std. Includes: 210076 Ring— Piston, Comp., Top and Center, 61292 Ring— Piston, Oil, Standard	41	68283	Collar—Valve Spring
	260788	Crankshaft Used on type No. 0141.		292101	Ring Set—Piston— .010" O.S. Includes: 210077 Ring— Piston, Comp., Top and Center, .010" O.S. 61335 Ring— Piston, Oil, .010" O.S.	45	63659	Tappet—Valve
	260790	Crankshaft Used on type Nos. 0127, 0149.		292102	Ring Set—Piston— .020" O.S. Includes: 210078 Ring— Piston, Comp., Top and Center, .020" O.S. 61336 Ring— Piston, Oil, .020" O.S.	46	211304	Gear—Cam
	260798	Crankshaft Used on type No. 0145.		292103	Ring Set—Piston— .030" O.S. Includes: 210079 Ring— Piston, Comp., Top and Center, .030" O.S. 61337 Ring— Piston, Oil, .030" O.S.	50	21769	Elbow—Carburetor Intake
	260799	Crankshaft Used on type Nos. 0138, 0151.				51	†*65647	Gasket—Intake Elbow Note: 270310 Gasket—Intake Elbow Used on type No. 0129.
17	29530	Bearing—Ball				52	*65647	Gasket—Intake Elbow Mounting
18	290724	Cover Assy.—Crankcase (Plain Bearing) Used only on Model 193401 to 193407 engines.				79	291356	Case Assembly—Gear
	291299	Cover Assy.—Crankcase (Ball Bearing) Used only on Model 193431 to 193437 engines.				81	220790	Lock—Gear Case Mounting Screw
						83	291309	Shaft Assembly—Drive Note: 292466 Shaft Assembly— Drive Used on type Nos. 0128, 0129, 0135.
						85	91386	Screw—Gear Case Cover (2" long)
						86	291354	Cover Assy.—Gear Case
						87	298423	Seal—Oil
						88	27328	Gasket—Gear Case Cover

* Included in Gasket Set—Part No. 294736.

† Included in Carburetor Overhaul Kit—
Part No. 291763.

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REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
89	91488	Plug—Square Hd., 1/8", Pipe	109	89531	Shaft and Lever—Choke			Note: 290816 Tank Assy.—Fuel (4 Quart)
90	293950	Carburetor Assembly		Note: 295374	Shaft and Lever—Choke			Used on type Nos. 0124, 0125, 0138, 0149.
	Note: 292106	Carburetor Assy. Used on type Nos. 0123, 0151.			Used on type Nos. 0125, 0134, 0150.			291513 Tank Assembly—Combination Fuel (6 Quart)
	296135	Carburetor Assy. Used on type No. 0150.	110	62899	Washer—Choke Lever			Used on type Nos. 0123, 0151.
	296724	Carburetor Assy. Used on type No. 0140.	111	26155	Spring—Choke Lever			292415 Tank Assy.—Fuel (8 Quart)
	297385	Carburetor Assy. Used on type Nos. 0125, 0134.	112	23123	Screw—Choke Lever			Used on type Nos. 0141, 0142.
91	291655	Body Assembly—Upper Carburetor	113	†99345	Nozzle—Carburetor	181	69221	Cap—Fuel Tank
	Note: 296723	Body Assembly—Upper Carburetor	114	†68667	Gasket—Nozzle	182	22813	Bracket—Fuel Tank
	297392	Body Assembly—Upper Carburetor	115	†23117	Retainer—Needle Valve		Note: 221435	Bracket
		Used on type Nos. 0125, 0134.		Note: 292226	Retainer Assy.—Jet Needle		90681	Screw—Cap, Hex. Hd.—5/16-18 x 5/8 (2)
92	99375	Body—Upper Carburetor			Used on type Nos. 0123, 0151.		22963	Washer (2)
	Note: 297382	Body—Upper Carb.	116	†68677	Packing—Needle Valve			Used with Bracket on type Nos. 0128, 0135.
		Used on type Nos. 0125, 0134.	117	†23118	Nut—Needle Valve	183	291490	Strap Assy.—Fuel Tank
93	23108	Bushing—Throttle Shaft			Packing		Note: 291367	Strap Assembly—Fuel Tank
94	†292681	Valve Assembly—Carburetor Idle	118	†230009	Valve—Needle			Used on type Nos. 0124, 0125, 0138, 0149.
95	93038	Screw—Choke and Throttle Valve Mtg. Sem		Note: 230085	Valve—Needle			Screw—Machine, Fill. Hd.—1/4-20 x 1-1/4"
96	62940	Valve—Throttle			Used on type Nos. 0123, 0151.	184	91257	Screw—Machine, Fill. Hd.—1/4-20 x 1-1/4"
97	291300	Shaft Assy.—Throttle	119	90746	Screw—Machine, Fill. Hd.—10-32 x 5/8"	185	90970	Nut—Square—1/4-20
98	91920	Screw—Machine, Fill. Hd.—8-32 x 5/8"	120	92290	Washer—Lock—No. 10 x 1/16 x 3/64"	186	63377	Connector—Fuel Pipe
99	26157	Spring—Throttle Adjustment	121	291763	Carburetor Overhaul Kit		Note: 67218	Connector—Fuel Pipe
100	61967	Stop—Throttle	123	90700	Screw—Cap, Hex. Hd.—1/4-20 x 3/4"			Used on type Nos. 0125, 0128, 0129, 0134, 0135, 0137, 0150.
101	93043	Pin—Throttle Lever	158	27590	Filter—Carburetor Drain	187	29476	Pipe—Fuel
102	†27034	Gasket—Carburetor Body	159	220521	Retainer—Carburetor Drain Filter		Note:	Fuel Pipes used on type No. 0134 are furnished by the equipment manufacturer.
103	99333	Float—Carburetor	163	*67247	Gasket—Air Cleaner Mtg.			29025 Pipe—Fuel—18" long
104	†230896	Pin—Float Hinge	164	291462	Pipe Assy.—Air Cleaner			89248 Pipe—Fuel—2-1/4" long
105	†299096	Valve—Fuel Inlet		Note: 296036	Pipe Assembly—Air Cleaner			92655 Tee—Pipe Fitting
107	89915	Body Assembly—Lower Carburetor			Used on type Nos. 0125, 0128, 0129, 0134, 0135.			Used on type Nos. 0123, 0151.
	Note: 295860	Body Assembly—Lower Carburetor	165	92650	Nut—Wing			293006 Pipe—Fuel—12" long
		Used on type Nos. 0125, 0134, 0150.	166	230739	Stud—Air Cleaner			Used on type Nos. 0131, 0143.
	296573	Body Assembly—Lower Carburetor		Note: 23870	Stud—Air Cleaner			299942 Pipe—Fuel (Flexible)
		Used on type No. 0140.			Used on type No. 0122.			Uses: 93053 Clamps
108	62872	Valve—Choke		230768	Stud—Air Cleaner			Used on type Nos. 0125, 0129, 0150.
					Used on type Nos. 0125, 0128, 0129, 0134, 0135.			
			167	66648	Gasket—Air Cleaner Stud			
			168	22832	Strap—Air Cleaner Pipe			
			169	90832	Washer—Lock—1/4 x 3/32 x 5/64"			
			170	91468	Screw—Cap, Hex. Hd.—1/4-20 x 3/8"			
			171	92129	Nut—Hex.—1/4-28			
			180	291488	Tank Assembly—Fuel (6 Quart)			

* Included in Gasket Set—Part No. 294736.

† Included in Carburetor Overhaul Kit—Part No. 291763.

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
		296004 Pipe—Fuel (Flexible) Uses: 93053 Clamps (2) Used on type Nos. 0128, 0135.			296019 Cover Assembly—Fuel Filter Used on type Nos. 0128, 0135.	304	291280	Housing—Blower
		296576 Pipe—Fuel Used on type No. 0140.	242	295913	Valve—Fuel Shut-Off		Note:	294742 Housing—Blower Used on type Nos. 0128, 0129, 0134, 0137, 0145.
188	92272	Screw—Cap, Hex. Hd. — 5/16-18 x 3/4"		Note:	293934 Valve—Fuel Shut-Off Used on type No. 0150.			295194 Housing—Blower Used on type Nos. 0138, 0151. Rewind Starters used on type Nos. 0138, 0151 are Model S-475, Type 69K Starters made and serviced by Fairbanks Morse & Co., Beloit, Wis.
189	90366	Washer—Lock— 5/16 x 1/8 x 1/16"	243	22547	Screen—Fuel Filter			297237 Housing—Blower Used on type No. 0150.
192	91397	Nut—Hex. —5/16-18	244	53029	Connector—Fuel Pipe	305	93158	Screw—Backplate Mtg.
196	22907	Support—Upper Fuel Tank		Note:	67218 Connector—Fuel Pipe Used on type Nos. 0128, 0135, 0150.	306	220861	Shield—Cylinder
201	26674	Link—Throttle			230318 Connector—Fuel Pipe Used on type Nos. 0125, 0129.	308	294683	Cover—Cylinder Head
204	23849	Bushing—Control Lever	245	*68477	Gasket—Fuel Filter Bowl	321	211166	Pulley—V-Belt Starter
206	21772	Nut—Governor Adjusting	246	298683	Bowl—Fuel Filter	323	66828	Belt—Vee
	Note:	93384 Nut—Governor Stop (2) Used on type Nos. 0010, 0020, 0030, 0125, 0134, 0136, 0137, 0145.	247	99665	Yoke Assembly—Fuel Filter	325	299308	Pulley—Electric Starter (with Screen)
208	23957	Rod—Gov. Control	266	291460	Control—Throttle	328	221531	Guard—Belt
	Note:	230039 Rod—Gov. Control Used on type Nos. 0010, 0020, 0021, 0030, 0125, 0134, 0136, 0137, 0145.	268	65616	Casing—Control Wire— 72" long Note: If longer casing is required, specify length in inches; if shorter casing is needed, order No. 65616 and cut to required length.	329	93294	Screw—Belt Guard Mounting Sem
209	26643	Spring—Governor				332	230674	Nut—Flywheel
219	291192	Gear Assy.—Governor	269	26633	Wire—Control—78" long Note: If longer wire is required, specify length in inches; if shorter wire is needed, order No. 26633 and cut to required length.	333	298968	Armature Assembly
223	22814	Lever—Governor Control		Note:		334	93381	Screw—Armature to Mounting Bracket Sem
	Note:	Governor Control Lever used on type Nos. 0128, 0129, 0135 is furnished by the Equipment Manufacturer.				337	29693	Plug—Spark (with Gasket) Note: 293918 Plug—Spark (with Gasket) Used on type Nos. 0146, 0156, 0157.
225	291177	Shaft—Governor Gear	270	63426	Locknut—Control Wire Casing	338	29806	Gasket—Spark Plug
227	291365	Lever Assy.—Governor	271	290568	Lever Assy.—Control	339	298185	Breaker Assy.—Ignition
230	22826	Washer—Governor Crank		Note:	93469 Screw—Sem Used to mount Control Lever on type No. 0153.	340	26018	Spring—Breaker Arm
240	99910	Filter Assembly—Fuel	300	290933	Muffler—Exhaust	342	298123	Plunger—Contact
	Note:	295977 Filter Assy.—Fuel Used on type Nos. 0128, 0135.	301	91416	Nipple—Exhaust, Pipe	343	298060	Condenser
		295984 Filter Assembly—Fuel Used on type Nos. 0125, 0129.	302	91310	Locknut—Muffler	345	211327	Cover—Breaker
		298090 Filter (In Fuel Pipe)	303	91296	Elbow—Exhaust 90°, Pipe Note: 91308 Elbow—Muffler, 90° Street Used on type No. 0137.	346	93400	Screw—Breaker Cover Mtg.
		297563 Outlet—Fuel Tank Used on type No. 0150.			92130 Elbow, 45° Street, Exhaust Pipe Used on type Nos. 0128, 0129, 0135.	347	220197	Switch—Stop Note: 293739 Switch—Stop Used on type No. 0125.
241	99909	Cover Assy.—Fuel Filter				348	221796	Switch—Stop
	Note:	296005 Cover Assembly—Fuel Filter Used on type Nos. 0125, 0129.				353	92791	Washer—Lock—Shakeproof
						354	90576	Nut—Lock (2)
						356	295413	Wire—Ground
						357	91540	Key—Pulley Mounting
						358	294736	Gasket Set
						362	291630	Shield—Spark Plug Note: 66538 Elbow—Spark Plug Used on type Nos. 0125, 0137.
						363	19068	Puller—Flywheel (Optional Accessory)

* Included in Gasket Set—Part No. 294736.

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REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
379	22984	Cover—Fuel Pump Hole	553	62222	Cup—Valve Spring	589	93473	Screw—Armature Bracket to Cylinder Mounting Sem
382	92666	Screw—Cap, Hex. Hd. — 1/4-20 x 1/2"	554	66203	Shaft—Cam	590	93171	Screw—Breaker Mtg. Sem
383	89838	Wrench—Spark Plug	556	90887	Screw—Cap, Hex. Hd. — 3/8-16 x 1-1/4"	591	65932	Plug—Camshaft
386	27314	Gasket—Fuel Pump Hole Cover	557	92636	Screw—Cap, Hex. Hd. — 1/2-20 x 2"	592	90356	Nut—Hex. —10-24
423	93410	Screw—Cable Clamp Mtg.	558	92268	Washer—Lock— 3/8 x 1/8 x 3/32"	593	*27295	Gasket—Plain or Ball Bearing Support— .020" Thick
451	90364	Washer—Lock— No. 8 x 3/64 x 1/32"	559	93294	Screw—Sem		*27296	Gasket Plain or Ball Bearing Support— .005" Thick
492	296028	Starter—Generator (Delco-Remy No. 1101873) Uses: 296182 Pulley (Delco-Remy No. 1949358)	560	91984	Pin—Cotter— 1/16 x 1/2" long		*27297	Gasket—Plain or Ball Bearing Support— .009" Thick
493	211153	Bracket—Starter	562	92613	Bolt—Governor Lever	594	91449	Screw—Bracket Mounting
497	91203	Screw—Cap, Hex. Hd. — 5/16-18 x 1-3/4"	563	92863	Screw—Self Tapping, Hex. Hd. —1/4-20 x 5/8"	605	297171	Bracket—Support
500	91325	Washer—Plain	564	92980	Screw—Cap, Hex. Hd. — 1/4-20 x 1/2"	606	221471	Strap—Adjusting
501	295924	Regulator—Voltage (Delco-Remy No. 1118988)	565	93142	Screw—Bracket to Base Mounting	636	92864	Washer—Lock
506	90200	Screw—Machine, Rd. Hd. —8-32 x 1/2"	566	99458	Idling Device Uses: 91146 Screw—Cap, Hex. Hd. — 1/4-20 x 7/8" For mounting to Intake Elbow	637	66154	Washer—Back Plate Terminal (2)
507	66895	Insulator	567	291364	Crank Assy.—Governor	638	26404	Washer—Back Plate Term.
517	22809	Pulley—Rope Starter Note: Pulley used on Type Nos. 0138, 0151 is from a Model S-475, Type 69K Starter made and serviced by Fairbanks Morse & Co., Beloit, Wis. 221400 Pulley—Rope Starter Used on type No. 0137.	568	290935	Base Assembly—Engine Note: 294757 Base Assy.— Engine Used on type No. 0150. 297574 Base Assy.— Engine Used on type Nos. 0128, 0129, 0135.	639	270176	Gasket—Breaker Cover
518	69932	Rope—Starter Note: 295904 Rope—Starter Used on type Nos. 0124, 0128, 0129, 0135.	569	*27293	Gasket—Engine Base	640	298141	Lead—Primary
521	291508	Shielding—Ignition Cable	570	291377	Support Assembly— Plain Bearing Note: 291378 Support Assy.— Ball Bearing Used only on Model 193431 to 193437 Engines.	642	221468	Cover—Air Cleaner
535	270093	Element—Air Cleaner	572	291476	Guide—Front Air	643	280001	Cup—Air Cleaner
536	297869	Cleaner—Air Note: 291858 Cleaner—Air Used on type No. 0122.	573	298863	Plate—Back	644	221466	Base—Air Cleaner
550	*22353	Washer—Valve Cover	586	22906	Lock—Flywheel Nut	645	230801	Bushing—Plunger
551	22795	Cover—Valve	587	221340	Clamp—Cable	646	221472	Brace—Bracket
552	23837	Bushing—Governor Crank	588	211438	Bracket—Armature Mtg.	647	211154	Anchor—Link
						648	91439	Screw—Cap, Hex. Hd. — 1/4-20 x 3/8"
						649	93546	Screw—Cap, Hex. Hd. — 5/16-18 x 1-1/4"
						650	91814	Screw—Cap, Hex. Hd. — 3/8-16 x 2"
						652	91162	Screw—Link Anchor Mtg.
						653	91442	Screw—Pulley Mounting
						654	230783	Nut—Contact Point Adjusting Screw
						669	297187	Bracket—Guard
						694	91324	Washer—Guard to Bracket Mounting
						722	68768	Seal—Plunger
						723	93516	Eyelet—Seal Retainer
						724	221873	Retainer—Plunger Seal
						762	297651	Electric Starter— Generator Kit—12 Volt

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